chain nodes :
    24 26 28 29 30 36 37 44 45 46 47 48 51 52 53 54
ring nodes :
    1   2   3   4   5   6   7   8   9   10 11 12 13 14 15 16 17 18 19 20 21 22 23 25 27 31
    32 33 34 35 38 39 40 41 42 43
chain bonds :
    2-29 3-37 4-30 18-28 22-54 23-24 25-26 33-53 34-36 37-43 39-51 40-45 41-44 44-52
    45-46 46-47 46-48
ring bonds :
    1-2   1-13 2-3   3-4   4-5   5-6   6-9   7-8   7-12 7-27 8-9   9-10 10-11 11-12 11-31 11-35
    13-14 14-15 15-16 15-18 16-17 17-19 18-19 18-20 19-23 20-21 20-25 21-22 22-23
    25-27 31-32 32-33 33-34 34-35 38-39 38-43 39-40 40-41 41-42 42-43
exact/norm bonds :
    1-2   1-13 2-3   3-4   3-37 4-5   5-6   6-9   7-8   7-12 7-27 8-9   9-10 10-11 11-12 11-31
    11-35 13-14 14-15 15-16 15-18 16-17 17-19 18-19 18-20 18-28 19-23 20-21 20-25
    21-22 22-23 23-24 25-26 25-27 31-32 32-33 33-34 34-35 37-43 38-39 38-43 39-40
    40-41 40-45 41-42 41-44 42-43 45-46 46-47 46-48
exact bonds :
    2-29 4-30 22-54 33-53 34-36 39-51 44-52

G1:O,S

G2:O,N

Match level :
    1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
    12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom
    22:Atom 23:Atom 24:CLASS 25:Atom 26:CLASS 27:Atom 28:CLASS 29:CLASS 30:CLASS 31:Atom
    32:Atom 33:Atom 34:Qtom 35:Atom 36:CLASS 37:CLASS 38:Atom 39:Atom 40:Atom 41:Atom
    42:Atom 43:Atom 44:CLASS 45:CLASS 46:CLASS 47:CLASS 48:CLASS 51:CLASS 52:CLASS
    53:CLASS 54:CLASS